Nature’s Cure

Graham Paul offers some useful fungicide advice, which can also go towards building your BASIS Points

This organism produces these natural fungicides to restrict other species of fungi that are competing for its main food source. We now have a whole new family of fungicides based on these natural products

Graham Paul

If you are using fungicides or advising others on their use

to control turf disease, you will understand the need to keep abreast of this rapidly changing market place. Advances in chemistry and technology may cause us to change our thinking on how to choose fungicides to combat the ever present threat of disease on sports and amenity turf. The simple choice of contact fungicides in the winter and systemic products in periods of strong growth now has to be tempered by the fact that the modern fungicides, brought in to replace those withdrawn on environmental or toxicological grounds, do not always behave in the manner we are accustomed. This article reviews the introduction of a new group of fungicides to the turf market and how they are best used for maximum effect.

In 1977 a group of German scientists discovered two anti-fungal antibiotics which they named ‘strobilurin A’ and ‘strobilurin B’ because they were isolated from the pine cone fungus Strobilurus tanacetiellus. This organism produces these natural fungicides to restrict other species of fungi that are competing for its main food source. As a result of this research we now have a whole new family of fungicides based on these naturally occurring chemicals.

Strobilurins were found to be very effective against a wide range of species, from all of the four families of fungi but were easily broken down by UV light. Strong sunlight is not an issue to the pine cone fungus living on the heavily shaded forest floor but in the open it is a different matter, so UV stable synthetic strobilurins were produced to get round this problem.

Today we have three strobilurin molecules registered for use on turf in the UK. The first of these was azoxystrobin, launched under the brand name ‘Heritage’ in 1997 followed soon after by ‘Scorpio’ (trifloxystrobin) and ‘Insignia’ (gymacrostrobin). Since the initial introductions there have been several ‘me too’ products formulated from straight strobilurins and two mixtures with other fungicides, ‘Headway’ (axyoxystrobin and propiconazole) and ‘Dedicate’ (trifloxystrobin and tebuconazole).

All members of the strobilurin family have the same mode of action. They interfere with energy production in the fungal cells, bringing all activity to a halt – like tripping out the circuit breaker! To be more specific, they all have a ‘single-site’ mode of system enabling it to be distributed through the plant. Such movement is sometimes referred to as ‘acropetal systemic activity’ to differentiate it from true systemic action, which involves both upward and downward distribution.

Trifloxystrobin (‘Scorpio’) and gymacrostrobin (‘Masco Ellar’) are not systemic or contact fungicides but they are strongly lipophilic and become firmly embedded in the waxy cuticle cells of the leaf surface. This makes them very rain-fast and during periods of slow growth, they will persist for longer than the upwardly mobile ‘Heritage’.

‘Dedicate’ is mobile and can move to a site where they disrupt the cellular machinery and become firmly embedded in the leaf surface. This makes them very rain-fast and they will persist for longer than the upwardly mobile ‘Heritage’.

A disadvantage of ‘single-site’ mode of action is that it offers a much greater potential for resistant strains to develop. In the case of fungicides having a ‘multi-site’ mode of action, this cannot happen as they will persist for longer than the upwardly mobile ‘Heritage’.

Bayer’s product ‘Scorpio’ differs from the others in that it has the ability to move a short distance in the leaf, bringing it down to the xylem. This makes it very rain-fast and during periods of slow growth, it will persist for longer than the upwardly mobile ‘Heritage’.

Chemicals

QoI (Quinone Outer Inhibitor) fungicides are very effective against a wide range of species, from all of the four families of fungi but were easily broken down by UV light. Strong sunlight is not an issue to the pine cone fungus living on the heavily shaded forest floor but in the open it is a different matter, so UV stable synthetic strobilurins were produced to get round this problem.

Today we have three strobilurin molecules registered for use on turf in the UK. The first of these was azoxystrobin, launched under the brand name ‘Heritage’ in 1997 followed soon after by ‘Scorpio’ (trifloxystrobin) and ‘Insignia’ (gymacrostrobin). Since the initial introductions there have been several ‘me too’ products formulated from straight strobilurins and two mixtures with other fungicides, ‘Headway’ (axyoxystrobin and propiconazole) and ‘Dedicate’ (trifloxystrobin and tebuconazole).

All members of the strobilurin family have the same mode of action. They interfere with energy production in the fungal cells, bringing all activity to a halt – like tripping out the circuit breaker! To be more specific, they all have a ‘single-site’ mode of action, targeting energy conversion in the cell – a process which is known to biochemists as ‘mitochondrial respiration’. The strobilurins are classified under the genus name QoI (which stands for ‘Quinone outer inhibitor’). The specific binding site where they interfere is easily located within the energy process). Without energy conversion the fungus cannot grow or reproduce and death follows.

However, despite the common mode of action of all QoI fungicides, the three active ingredients used in turf have fundamental differences in the way they move within the plant. All demonstrate ‘trans-laminar’ movement from one leaf surface to the other. ‘Azoxystrobin’ (Heritage) also moves upwards in the plant’s xylem system enabling it to be distributed through the plant. Such movement is sometimes referred to as ‘acropetal systemic activity’ to differentiate it from true systemic action, which involves both upward and downward distribution.

‘Insignia’ (gymacrostrobin) and ‘Masco Ellar’ are not systemic or contact fungicides but they are strongly lipophilic and become firmly embedded in the waxy cuticle cells of the leaf surface. This makes them very rain-fast and during periods of slow growth, they will persist for longer than the upwardly mobile ‘Heritage’.

Bayer’s product ‘Scorpio’ differs from the others in that it has the ability to move a short distance in the leaf, bringing it down to the xylem. This makes it very rain-fast and during periods of slow growth, it will persist for longer than the upwardly mobile ‘Heritage’.

‘Dedicate’ is mobile and can move to a site where they disrupt the cellular machinery and become firmly embedded in the leaf surface. This makes them very rain-fast and they will persist for longer than the upwardly mobile ‘Heritage’.

A disadvantage of ‘single-site’ mode of action is that it offers a much greater potential for resistant strains to develop. In the case of fungicides having a ‘multi-site’ mode of action, this cannot happen as they will persist for longer than the upwardly mobile ‘Heritage’.

Bayer’s product ‘Scorpio’ differs from the others in that it has the ability to move a short distance in the leaf, bringing it down to the xylem. This makes it very rain-fast and during periods of slow growth, it will persist for longer than the upwardly mobile ‘Heritage’.
As the UK hosts two of golf’s greatest competitions this year: the recent Open Championship, on the Old Course at St Andrews for the 28th time, and the Ryder Cup for the first time in Wales, questions and commentary for the first time in Wales, the 28th time, and the Ryder Cup as the UK hosts two of golf’s greatest competitions.

Display at Royal Musselburgh

tries, where that is approximately 4¼ inches (even in metric countries all over the world today measure 108mm), and they have been this size since 1891.

The reason for that precise diameter is that Royal Musselburgh Golf Club had invented, in 1829, the first known hole-cutter. It is still in existence and on display at the club, and had become the accepted norm at clubs in that part of Scotland. Musselburgh pioneered the closely cut, standard-sized hole, by using a handy object - a piece of old drainage pipe which coincidentally still today measures 108mm.Try measuring the soil pipe that comes from your toilet and you will see what I mean.

Gordon Moir is the Director of Greenkeeping for the St Andrews Links Trust. In that role Moir is responsible for safeguarding a legacy that extends from the Old Course, the most venerated of golf courses worldwide, to the Castle Course, a brilliant example of modern golf design executed by a son of Scotland, David McLay Kidd. “At St Andrews Links,” Moir says, “we have found the Tacit holecups to be long-lasting- especially the liners, which are excellent. They stand up well to windy conditions,” he confirms, “and help the hole keep its shape.” Old Gordon have a crystal ball in anticipating the conditions the players at this year’s Open would encounter when on the second day of play when play would stop as balls shivered and were blown off the immaculately prepared greens. Why else perhaps a hole. On a few years of local knowledge maybe would be ensure that the Old Lady was adorned with cups and pins that just wouldn’t blow out and stood to attention in conditions that the Authorities regarded as unplayable.

Twenty years ago a new type of cup and ferrule was developed by Richard Webb of Tacit. An Anti Swivel Ferrule/Holecup combination that has now been adopted by the majority of courses throughout Great Britain and Ireland. Indeed it is so good that some companies have taken the idea and produced anti swivel systems of their own.

Tacit in recent years took another leap forward with the introduction of the Sub Cap to the central Ferrule bore, thus reducing holecup sinkage and reducing substantially the amount the ferrule will wear.

“Try measuring the soil pipe that comes from your toilet and you will see what I mean”

Tim Webb

How did they achieve this?

Imagine the ferrule on the bottom of the flagstick to be a pebble in a stream. Imagine the holecup to be a rock pocket that has collected the pebble, as the pebble turns within the hole, both the pebble wears smaller, while the hole wears bigger. How to stop the wear? Simple, stop the movement.

This is where the splines on the underside of the ferrule come into their own. Although unobtrusive, the splines instantly locate in the corresponding slots in the holecup and stop the flagstick from rotating within the holecup. Instead of the flagsticks needing to be replaced annually, there are now a two year renewal cycle.

Adding Tacit’s sub cap to this scenario, could lead in a three or four year renewal cycle, as the wear on the ferrule and holecup is slowed even more.

Without this excessive wear brought about by ferrule rotation, the flagstick stays upright longer, with the chances of the flagstick bouncing out of the holecup in strong winds being substantially reduced.

As we sit back and listen to the dulcet tones of Peter Allis at this Ryder Cup at Celtic Manor we can be pretty sure we won’t be seeing any Union Jacks or European flags in the holecups – as he equally sure the players will be laying down long before any flagsticks decide the elements have got the better of them.

Tim Webb provides a fascinating view on the development of the holecup

The unique profile prevents rotation, therefore reducing wear and stopping the flagsticks from bouncing out.

The flexible cutter – Still on display at Royal Musselburgh

Top dressing & debris is shed through the outer part of the holecup – not in the ferrule bore.

Holecup Feature

No ingress of soil, rootzone or other substrates

Interchangeable wrap, (can be logo’d)
As the UK hosts two of golf’s greatest competitions this year: the recent Open Championship, on the Old Course at St Andrews for the 28th time, and the Ryder Cup for the first time in Wales, questions and commentary abound. Amid the hoopla and gossip—talk about Tiger’s tingle, speculation about whether an Englishman could work some wonders, and the strut toward Celtic Manor—an unobtrusive, modest pair of contributors are helping stage the competition. I’m talking about the flagsticks and the cups. They do their best work if the wind is up, but whatever the conditions, the flagsticks bend with the breeze, and the cups will shine bright, their surfaces made of stainless steel and measuring 4 1/4 inches in diameter. The cup is younger than the game—the requirement for a cup is just over one hundred years old, while the game is five times that age. The original cups were installed in 1829, with a drain pipe and measuring 4 1/4 inches in diameter. Musselburgh pioneered the idea of a soil cup, and a few years of local knowledge by a pebble, as the pebble turns within a rock pocket that has collected the water. As we sit back and listen to the dulcet tones of Peter Alliss at this year’s Ryder Cup at Celtic Manor we can be pretty sure we won’t be seeing any Union Jacks or European flags in the cup. But what about the cup itself? Tacit’s holecup is unique in that it works opposite to all the other cups on the market, while they have been designed to move all the debris and topdressing down the center bore causing all sorts of problems with wear and “ferrule jam” the Tacit holecup is designed to shed all that ungrated rubbish through the outer windows keeping the central bore clear. Constructed and machined to exact tolerances in the UK by skilled time served craftsmen from Marine Aluminium, the leading edges being given a taper both top and bottom allowing for ease of setting and extraction of the cup whilst maintaining an exact 4 1/4” diameter. But the “plaster resistance” must be the wrap contained in the cup. For years green keepers have had to struggle with damaged and chipped paint coming off the cups. With the Tacit’s wrap, no ingress of soil, rootzone or other substrates can get the better of them.

Tim Webb provides a fascinating view on the development of the holecup.

Twenty years ago a new type of cup and ferrule was developed by Richard Webb of Tacit. An Anti Swivel Ferrule/Holecup combina- tion that has now been adopted by the majority of courses throughout Great Britain and Ireland. Indeed it is so good that some companies have taken the idea and produced anti swivel systems of their own. Tacit in recent years took another leap forward with the introduction of the Sub Cap to the central Ferrule bore, thus reducing holecup sinkage and reducing substantially the amount the ferrule will wear. Gordon Moir is the Director of Greenskeeping for the St Andrews Links Trust. In that role Moir is responsible for safeguarding a legacy that extends from the Old Course, the most venerated of golf courses worldwide, to the Castle Course, a brilliant example of modern golf design executed by a man of Scotland, David McKay Kidd. “At St Andrews Links,” Moir says, “we have found the Tacit holescups to be long lasting—especially the linens, which are excellent. They stand up well to windy conditions,” he confirms, “and help the hole keep its shape.” Old Gordon have a crystal ball in anticipating the conditions the players at this year’s Open would encounter when on the second day of play when play started, the hole was already three inches under and blown off the immaculately prepared greens. Why else perhaps a ferrule on a few years of local knowledge might be to ensure that the Old Lady was adorned with cups and pins that just wouldn’t blow out and stood to attention in condi- tions that the Authorities regarded as unplayable.

**How to stop the wear? Simple, stop the movement.**

*This is where the spines on the underside of the ferrule come into their own. Although unobtrusive, the spines instantly locate in the corresponding slots in the holecup and stop the flagstick from rotating within the holecup. Instead of the flagstags needing to be replaced annually, there is now a new two year recycle cycle.*

*Adding Tacit’s sub cap to this scenario, could lead to a three or four year renew cycle, as the wear on the ferrule and holecup is slowed even more.*

Without this excessive wear brought about by ferrule rotation, the flagstick stays upright longer, with the chances of the flagstick blowing out of the holecup in strong winds being substantially reduced.

**Why add a Sub Cap?**

The only way flagsticks will blow out of the hole or wear excessively, is if the ferrule is not located correctly in the hole. On a busy course, the flagstick is relocated every 10 to 15 minutes throughout the day; the holecup is constantly hammered deeper and deeper into the hole. Originally set to the R & A recommended 1” depth, the holecup can end up 2” below the surface after a few days, especially in U.S.G.A. specification sand greens. The sub cap increases the ambient surface area by over 300%, allowing the holecup to effectively float in the green.

The ingress of soil up the middle of the holecup is completely stopped but the cup can still be held solidly into the root zone. The flagstick and ferrule can then sit in the holecup in perfect harmony and work together at their optimum in a rootzone free world because the ferrule / holecup combination is girt free the ferrule and holecup do not jam and therefore the holecup is not pulled out of the ground when the flag is being tended.

**But what about the cup itself?**

Tacit’s holecup is unique in that it works opposite to all the other cups on the market, while they have been designed to move all the debris and topdressing down the center bore causing all sorts of problems with wear and “ferrule jam” the Tacit holecup is designed to shed all that ungrated rubbish through the outer windows keeping the central bore clear. Constructed and machined to exact tolerances in the UK by skilled time served craftsmen from Marine Aluminium, the leading edges being given a taper both top and bottom allowing for ease of setting and extraction of the cup whilst maintaining an exact 4 1/4” diameter. But the “plaster resistance” must be the wrap contained in the cup. For years green keepers have had to struggle with damaged and chipped paint coming off the cups. With the Tacit’s wrap, no ingress of soil, rootzone or other substrates can get the better of them.

**“Try measuring the soil pipe that comes from your toilet and you will see what I mean.”**

Tim Webb

*The Tin cup*

The unique profile prevents rotation, therefore reducing wear and stopping the flagsticks from blowing out.

**Interchangeable wrap, (can be logo’d)**

*No ingress of soil, rootzone or other substrates*
The business was established in 1977 by Major Raymond Owen and operated from his garden shed at his home in Penrhyndeudraeth. At this time, the concentration was primarily on two-stroke machinery, especially chainsaws and brush cutters. Major’s daughter, Deborah, looked after the accounts with the firm. Major moved to his first retail premises in School Street, Penrhyndeudraeth. In 1984, he was on the move again and took up a lease on the Old Market Hall in the centre of the village and was joined by his son-in-law David Burnham and his daughter, Deborah Burnham as Administrations Director.

Major retired in December 1997 and his son-in-law, David Burnham was appointed as Managing Director, supported by Major’s other son-in-law, Andy Jones as Sales Director and his daughter, Deborah Burnham as Administration Director. David retired in early April 2008 and Andy Jones was appointed as Managing Director and supported by Deborah Burnham as Finance Director.

Key services offered
- Sales, service, parts, hire on all makes of equipment.
- Re-grinding of cylinders and bottom blades, Specialist lathe work, all types of welding, all types of electrical testing & fault finding, all types of hydraulic testing & fault finding, Shot & bead blasting.

Major customers
- All leading golf clubs in North Wales, All Local Authorities, caravan parks
- Environment Agency, All leading golf clubs in Wales, All Local Authorities, caravan parks
- All leading golf clubs in North Wales, All Local Authorities, Environment Agency, All leading caravan parks

To nominate a GI Dealer of the Month contact Scott MacCallum with your reasons why the dealer of your choice should be featured...
Email scott@bigga.co.uk

Thank you to our Golden and Silver Key Sponsors
The business was established in 1977 by Major Raymond Owen and operated from his garden shed at his home in Penrhyndeudraeth. At this time, the concentrate was primarily on two-stroke machinery, especially chainsaws and brush cutters. Major’s daughter, Deborah, looked after the accounts with him. Major moved to his first retail premises in School Street, Penrhyneddrueth. In 1984, he was on the move again and took up a lease on the Old Market Hall in the centre of the village and was joined by his son in law David Burnham and son in law to be Andy Jones. As the volume of business increased, it soon became apparent that purpose built premises were necessary and in 1988 two acres of land was purchased at Park Road, Penrhyneddrueth and a building of 5000 sq feet erected.

In January 1990 and moved into its new premises during September of that year. Since that time, expansion has continued and this site now houses approximately 18,500 sq feet of covered trading space, incorporating showrooms, workshop, parts, warehousing and administration areas.

Our operating area extends throughout North and mid-Wales, currently the company employs 26 people including a team of 14 after sales staff.

Major retired in December 1997 and his son-in-law, David Burnham was appointed as Managing Director, supported by Major’s other son-in-law, Andy Jones as Sales Director and his daughter, Deborah Burnham as Administration Director.

David retired in early April 2008 and Andy Jones was appointed as Managing Director and supported by Deborah Burnham as Finance Director.

To nominate a GI Dealer of the Month contact Scott MacCallum with your reasons why the dealer of your choice should be featured...

To find out more, contact BIGGA HOUSE on 01347 833800
GI NEW PRODUCTS
The latest products on the market reviewed

A BIG LAUNCH FROM TYM

TYM Tractors has launched its largest tractor to date, the 100hp T1003, at Saltex. Delivering 100hp from a Perkins 1104D-44TA engine, the T1003 is designed to tackle tasks from gang mowing to hedges and verge trimming and handling the heaviest aerator or decompactor. This tractor remains compact enough to manoeuvre easily around the works yard with a wheelbase of 2300mm, and weighs in at 3685kg. A fuel tank capacity of 125 litres is more than ample for a long working day.

Hello ELMOW

Alllett’s new battery-powered fine-turf cylinder mower made its world public début at Saltex. Known as ELMOW, the walk-behind machine is available with a choice of cutting units, both fitted as standard with a 120mm diameter, 16-bladed cutting cylinder and a powered turf groomer.

Its rate of cut is 220 clips per minute at a maintained, irrespective of working speed or working height. The battery pack powering ELMOW is a 24 volt, 42Ah gel-type unit located using a ‘slide and click’ system that allows rapid interchange of discharged and fully-charged battery packs.

Price of the ELMOW 20 and 24 mowers, including a battery pack and charger, is £5,500 and £5,650 respectively.

Dethatcher And Spiker - A Two In One Renovation Machine

Having added the RotaDiron range of renovation and maintenance equipment to the stable this year, the Grass Group has launched the ED 100 T25 dethatcher and spiker, with collection box - a two-in-one renovation machine.

Known as DADS, the walk-behind machine is available with a choice of cutting units, both fitted as standard with a 120mm diameter, 16-bladed cutting cylinder and a powered turf groomer.

The battery pack powering DADS is a 24 volt, 42Ah gel-type unit located using a ‘slide and click’ system that allows rapid interchange of discharged and fully-charged battery packs. Price of the DADS 20 and 24 mowers, including a battery pack and charger, is £5,500 and £5,650 respectively.

LINE-MARKING PAINT MAKES...

...AN IMPACT

Rigby Taylor launched Impact Gold a ready-to-use line-marking paint which offers a total integration of paint, its application to the target surface and packaging disposable.

The paint is free of volatile organic compounds and bio-degradable. Finely atomised spray droplets ensure complete coverage of both sides of the leaf blade with a single application and the special characteristics attributes impart a bright, highly reflective white surface coating that increases in intensity as the paint dries.

Using a specially designed gold nozzle, a football pitch can be over-marked with as little as one litre per pitch. It provides major benefits in environmental saving including reduced water consumption, fuel economies and waste disposal.

It does not require water, therefore eliminating the need for mixing, measuring and pouring. The only water required is for priming the new iGo spray marking machine and卓越-nozzle cleaning.

When using traditional dilutable paints, a typical 35 week football season this can amount to over 800 litres of water, using a standard 4:1 ratio of water to paint. Impact Gold over this time may use less than 5 litres of water.

The iGo spray marking machine can carry 2 x 10 litre packs, so a single operator can work up to 20 pitches without the need for water or, repeatedly returning to a central base to fill up.

www.rigbytaylor.com

The Pellenc Excelion is a new product to the UK, available through Etisia. Pellenc is the only manufacturer to be able to produce machines that can be used up to a full day’s work on a single charge of the ultra lithium battery and at the same time guarantee use with no odour, no pollution and virtually no noise making them an environmentally friendly product.

The Excelion combines both a brush cutter and a grass trimmer: only the cutting head change. This change-over is very quick, taking less than one minute to change from the brush cutter version to the grass trimmer version and all without the use of any tools.

Half the weight of the lightest petrol brush cutters, the Excelion makes brush clearing easier in ditches and on steep slopes. Fitted with an adjustable handle, directional head and telescopi-scope system gives the user exceptional working comfort.

www.etisia.co.uk

SaniL has added three new self-propelled wheeled rotary mowers to its range of outdoor power equipment.

The new pedestrian machines are all powered by SANLI 5.5hp OHV engines with similarly sized Briggs and Stratton power units available as an extra-cost option.

They comprise steel-decked 3-in-1 and 4-in-1 mowers producing a 56cm width of cut, the LSPA56 is the widest yet pedestrian machine to be developed and manufactured by SANLI. The mower’s tough, lightweight aluminium deck and wide-cut make it ideal for commercial users requiring a high performance, quality mower at a very competitive price.

The LSPA56 can be used in either cut and drop or cut and collect modes to suit mowing schedules and the specific finish required, with cut heights adjustable from 25mm – 86mm.

Large rear drive wheels are a feature also of the new LSPS14 steel-decked 4-in-1 pedestrian mower which combines cut and drop, cut and collect, mulch and side-discharge capabilities in a self-propelled wheeled machine.

Powered by a 5.5hp SANLI OHV engine the LSPS14 offers all of the cut, collect and mulch mowing options that are likely to be needed by professional users.

www.sanli.co.uk
A BIG LAUNCH FROM TYM

TMY Tractors has launched its largest tractor to date, the 100hp T1003, at Saltex. Delivering 100hp from a Perkins 1104D-44TA engine, the T1003 is designed to tackle tasks from gang mowing to hedge and verge trimming and handling the heaviest aerator or decompactor. This tractor remains compact enough to manoeuver easily around the works yard with a wheelbase of 2300mm, and weighs in at 3605kg. A fuel tank capacity of 125 litres is more than ample for a long working day.

Hello ELMOW

Allett’s new battery-powered fine-turf cylinder mower made its world public-debut at Saltex. Known as ELMOW, the walk-behind machine is available with a choice of cutting units, both fitted as standard with a 120mm diameter, 16-bladed cutting cylinder and a powered turf groomer. Its rate of cut is 220 clips per metre at a maintained, irrespective of working speed or cutting height speed.

The battery pack powering ELMOW is a 24 volt, 42Ah gel-type unit located using a ‘slide and click’ system that allows rapid interchange of discharged and fully-charged battery packs. Price of the ELMOW 20 and 24 mowers, including a battery pack and charger, is £4,950 and £5,650 respectively.

Dethatcher And Spiker - A Two In One Renovation Machine

Having added the RotaDairon range of renovation and maintenance equipment to the stable this year, the Grass Group has launched the ED 130 dethatcher and spiker with collection box - a two in one renovation machine. With the PTO engaged, the ED is capable of working from 0 to 60 mm deep, and offering fast, clean removal of thatch from fine turf. Detach the PTO and the ED becomes a spiking machine for golf greens and sports fields.

Advanced Turf Technology’s TMsystem is another addition to the range. With eight individual cassettes, the system is fully interchangeable between all mainstream makes of triplex greens mowers and lightweight fairway mowers. Choose from groomers, vibratory rollers, spikers, scarifiers and brushes to suit the conditions in hand, all superbly engineered for best results. Swapping attachments takes a matter of minutes with the four-bolt “Easy-In-Easy-Out” cassette installation and removal method.

LINE-MARKING PAINT MAKES...

...AN IMPACT

The Pellenc Excelion is a new product to the UK, available through Etesia. Pellenc is the only manufacturer to be able to produce machines that can be used up to a full day’s work on a single charge of the ultra lithium battery and at the same time guarantees use with no-odor, no pollution and virtually no noise making them an environmentally friendly product. The Excelion combines both a brush cutter and a grass trimmer: only the cutting head change. This change-over is very quick, taking less than one minute to change from the brush cutter version to the grass trimmer version and all without the use of any tools.

THE PELLENC EXCELION

Half the weight of the lightest petrol brush cutters, the Excelion makes brush clearing easier in ditches and on steep slopes. Fitted with an adjustable handle, directional head and telescopically position给用户使用额外的工作空间。

www.etesia.co.uk

ELLIS<br>

SANI2 is the only one of the new LSFR14 steel-decked 4-in-1 pedestrian mower which combines cut and drop, cut and collect, mulch and side-discharge capabilities in a self-propelled wheeled machine. Powered by a 5.5hp SANLI OHV engine the LSFR14 offers all of the cut, collect and mulch mowing options that are likely to be needed by professional users.

www.sanli.co.uk

www.allett.co.uk

www.thegrassgroup.com

www.rigbytaylor.com

www.sanli.co.uk

www.tymtractors.co.uk
Join the Association for Sports Turf Professionals

Are you employed in the maintenance of sports turf at a sports facility?
Do you want to be taken seriously as a sports turf professional?
Do you want access to a wide range of bespoke education courses?
Do you want to be part of a large network of like-minded people where shared knowledge is a key ingredient?
Do you want to be part of a progressive association that actively works to enhance the professional reputation of sports turf professionals?

If you answered YES to any of the above questions then Membership of BIGGA is for you.

Why Join BIGGA?
- Industry specific, education and training
- Greenkeeper international – BIGGA’s official magazine
- Careers advice and guidance
- Regional and national events
- Sports turf industry networking
- Commitment to CPD
- Maintain standard and quality within the profession
- Dedicated members’ website

Look to your future by joining BIGGA today...
Tel: 01347 833800 select option 1, email: membership@bigga.co.uk
visit www.bigga.org.uk

Scottish Region

Ayshire

Hey chaps, Hope you are all well.
Back to that time of year again with attention, or as the members would put it, “Damn greenkeepers seeking our greens again”. Well, as we all know, that ain’t the case, but keeping any disruption to a minimum always helps.
I’ve got to say the majority of members these days actually warm to the tasks we carry out, with a lot more members having an understanding of what the benefits are instead of looking at the negative side of the work we do.
I find keeping our members informed of any works being carried out through a monthly newsletter helps keep the club informed and up to date.
Another thing which is popping through the ground this time of year is the dreaded leatherjackets or as they are commonly known the daddy long legs. They are the larval stage of the crane fly (daddylonglegs). Leather jackets start to feed on grass roots in the autumn, they will continue feed through the winter and spring. In the summer months the leather jackets pupate and the next generation of daddy longlegs emerge and lay their eggs in the infected areas. Arrrgh! Who said this job was easy, eh!
Anyway guys that’s me for another month... so as I keep asking, if you have any news please let me know.
Thanks
John Mair
07500874449
John Mair

West

The AGM has arrived and will be held at Hagg’s Castle Golf Club on Thursday, October 28 and hopefully a few people will attend. Even those wishing to lend a helping hand by volunteering for committee duty. Our various committee members have been running things for a few years now, and some new blood is required. The day will be similar to others with the AGM and then a talk on Toro machinery or Demonstrations of equipment - weather dependant.
The Section would like to thank Hamilton Bros for its cooperation and sponsorship for this event.

Brian Hillen, our running Chairman, has arranged a football match against the Ayshire Section for late October. All those interested should contact him or myself, both numbers are in the hand book, or for those who might have missed theirs, my number is 0141-942-5554, or mobile 07790823914. Sportscore is running a golf day at Eastwood Golf Club with a talk about its product, which should be interesting, as the main bone of contention on any golf course is usually the bunkerers. The date for this event has not been confirmed with me in time for this magazine issue, therefore I hope Gavin can inform you at a later date by e-mail or letter.

Next month I will include a report on the Loch Lomond talk regarding the wettish which is being jointly hosted with STRI. This has been rearranged from April this year when the guest speaker could not attend due to the volcano disruption.
I will also include the results from the outing at Helensburgh.

The Patrons’ awards will be selected in the next month and those chosen will attend Harrogate, in January, which should provide them with a beneficial experience. The Section would like to thank all the patrons for their continued support at this time considering the difficult financial climate we are presently encountering.
Last but not least, the annual dinner deserves some mention, but as yet the venue has not been confirmed. The likely candidates are the Studio or Curry Karioke situated at the tail ship. I hope this should be a slightly better experience from last year and would request as many people attend as possible to help support the Section. Prices and detail will be confirmed next month.
Best wishes to all for the remainder of the season.
Contact details for all wishing to inform me of any events are stuart.taylor@glasgowgolfclub.com or 0141-942-5554, or 07790823914, please do not hesitate to contact me about anything even a moan but please try to inform me of any events.

Ben Brookes
Ben Brookes

North

As I am sitting writing these notes, the weather seems to have a turn for the worse. It is the beginning of September and there are very high winds and on top of that the rain has just decided to help out.
I am looking forward to the autumn, and I hope to have had a chance to thank the various people who have contributed to the section during the year.

A week ago we turned up to Scotstoun Park, Deputy Prime Minister and Deputy Prime Minister, with a team that had not lost in the last year, and we lost. Many congratulations to the other team, we were well in the running, but as yet the venue has not been confirmed for the next month. Instead of saying ‘To be your husband’, he actually said ‘To be my husband’. I was quite incensed, as my friend had the knot in his hand, and I heard that my friend did not have the ring. Well, as we all know, that ain’t the case, but as yet the venue has not been confirmed. The likely candidates are the Studio or Curry Karioke situated at the tail ship. I hope this should be a slightly better experience from last year and would request as many people attend as possible to help support the Section. Prices and detail will be confirmed next month.
Best wishes to all for the remainder of the season.
Contact details for all wishing to inform me of any events are stuart.taylor@glasgowgolfclub.com or 0141-942-5554, or 07790823914, please do not hesitate to contact me about anything even a moan but please try to inform me of any events.

Stuart Taylor
Stuart Taylor
Join the Association for Sports Turf Professionals

Are you employed in the maintenance of sports turf at a sports facility? Do you want to be taken seriously as a sports turf professional? Do you want access to a wide range of bespoke education courses? Do you want to be part of a large network of like-minded people where shared knowledge is a key ingredient? Do you want to be part of a progressive association that actively works to enhance the professional reputation of sports turf professionals?

If you answered YES to any of the above questions then Membership of BIGGA is for you.

Why Join BIGGA?

- Industry specific, education and training
- Greenkeeper international – BIGGA’s official magazine
- Careers advice and guidance
- Regional and national events
- Sports turf industry networking
- Commitment to CPD
- Maintain standard and quality within the profession
- Dedicated members’ website

Look to your future by joining BIGGA today... Tel: 01347 833800 select option 1, email: membership@bigga.co.uk visit www.bigga.org.uk

Scottish Region

Ayrshire

Hey chaps, Hope you are all well.

Back to that time of year again with another newsletter, all the members would put it, “Damn greenkeepers sowing our greens again”.

Well, as we all know, that ain’t the case, but keeping any disruption to a minimum always helps.

I’ve got to say the majority of members these days actually warm to the tasks we carry out, with a lot more members having an understanding of what the benefits are instead of looking at the negative side of the work we do.

I find keeping our members informed of any works being carried out through a monthly newsletter helps keep the club informed and up to date.

Another thing which is popping through the ground this time of year is the dreaded leatherjackets or as they are commonly known the daddylonglegs.

They are the larval stage of the crane fly (daddylonglegs). Leather jackets start to feed on grass roots in the autumn. They will continue to feed through the winter and spring. In the summer months the leatherjackets pupate and the next generation of daddylonglegs emerge and lay their eggs in the infected areas. Arrrgh! Who said this job was easy, eh!

Anyway guys that’s me for another month... so as I keep asking, if you have any news please let me know.

Thanks
John Mair
johnmair892@gmail.com
07500874449
John Mair

Promoting best practice in sports turf management
Hello everyone. Hope you are all well, as I sit here writing this article. Nice to see the sun is shining after all the recent rain. On August 1st to August 13th, in the north west of England, a couple of golfers were on a tour to find interesting golf courses and enjoy doing their job. It has once again been a difficult year for many golf clubs which have reached the very top of the profession.

Firstly, let me apologise for having to send out this update we will be due to our distribution, I will be able to report on any ideas on what they would like to see or happen at these golf days. As usual any news or lines for the next month’s column, if you have any, please contact me Frank Stewart at Frankstewart3@hotmail.co.uk

We had a great turnout for our annual Autumn competition at Silkstone G.C. I hope everyone enjoyed the day and the results. Well I would like to thank our long serving greenkeepers and their families for their hard work and dedication. We consider them for their collection needs and other turf grass machine requirements.

I hope to see them on future golf events. Congratulations to everyone who played in the Annual Northern vs. Sheffield golf match, by all accounts we played really well on the day and came away with a creditable tie. Thanks once again to Mike and Rihgy Taylor for organising these days for us.

We would also like to thank everyone who attended our Autumn competition at Silkstone G.C. I hope everyone enjoyed the day and the results. Well I would like to thank our long serving greenkeepers and their families for their hard work and dedication. We consider them for their collection needs and other tur Grass machine requirements.

On another footing and again with this update we will be due to our distribution, I will be able to report on any ideas on what they would like to see or happen at these golf days. As usual any news or lines for the next month’s column, if you have any, please contact me Frank Stewart at Frankstewart3@hotmail.co.uk.

The Section AGM will be held on Wednesday, October 13, in the training room at Ellnwoood Golf Club on Wednesday October 13, in the training room at Ellnwoood Golf Club. I hope everyone will be able to attend.

Hello all, with everyone being heads down and working hard the last month has been quiet. It has been a very interesting and enjoyable day for all. We had a couple of mementos between 40 and 50 people who have reached the very top of the profession.

After the golf presentations we had a couple of mementos that were between 40 and 50 people who have reached the very top of the profession. There are all well, as I sit here writing this article. Nice to see the sun is shining after all the recent rain. On August 1st to August 13th, in the north west of England, a couple of golfers were on a tour to find interesting golf courses and enjoy doing their job. It has once again been a difficult year for many golf clubs which have reached the very top of the profession.

Firstly, let me apologise for having to send out this update we will be due to our distribution, I will be able to report on any ideas on what they would like to see or happen at these golf days. As usual any news or lines for the next month’s column, if you have any, please contact me Frank Stewart at Frankstewart3@hotmail.co.uk.

We had a great turnout for our annual Autumn competition at Silkstone G.C. I hope everyone enjoyed the day and the results. Well I would like to thank our long serving greenkeepers and their families for their hard work and dedication. We consider them for their collection needs and other turf grass machine requirements.

On another footing and again with this update we will be due to our distribution, I will be able to report on any ideas on what they would like to see or happen at these golf days. As usual any news or lines for the next month’s column, if you have any, please contact me Frank Stewart at Frankstewart3@hotmail.co.uk.

The Section AGM will be held on Wednesday, October 13, in the training room at Ellnwoood Golf Club on Wednesday October 13, in the training room at Ellnwoood Golf Club. I hope everyone will be able to attend.

Hello all, with everyone being heads down and working hard the last month has been quiet. It has been a very interesting and enjoyable day for all. We had a couple of mementos between 40 and 50 people who have reached the very top of the profession. There are all well, as I sit here writing this article. Nice to see the sun is shining after all the recent rain. On August 1st to August 13th, in the north west of England, a couple of golfers were on a tour to find interesting golf courses and enjoy doing their job. It has once again been a difficult year for many golf clubs which have reached the very top of the profession.